

FIG. 1

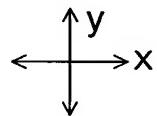
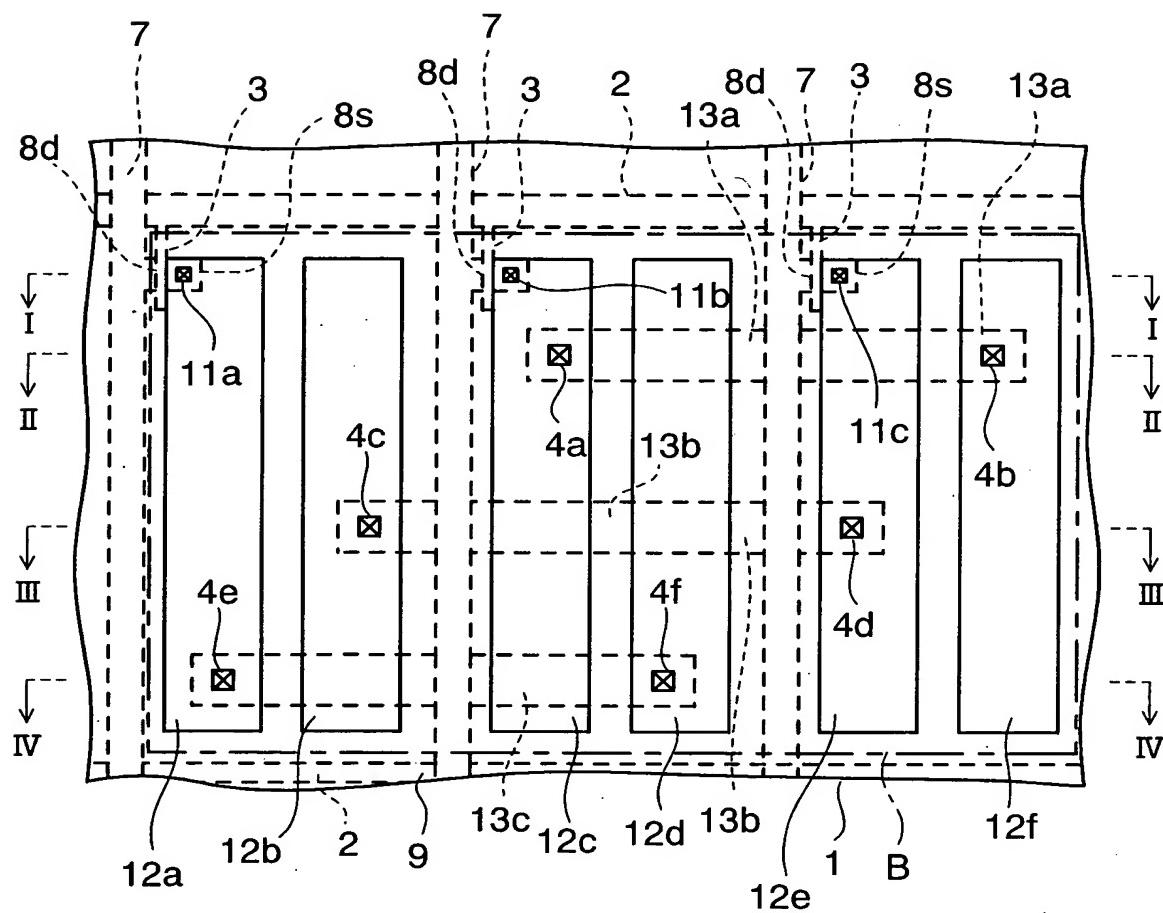


FIG. 2

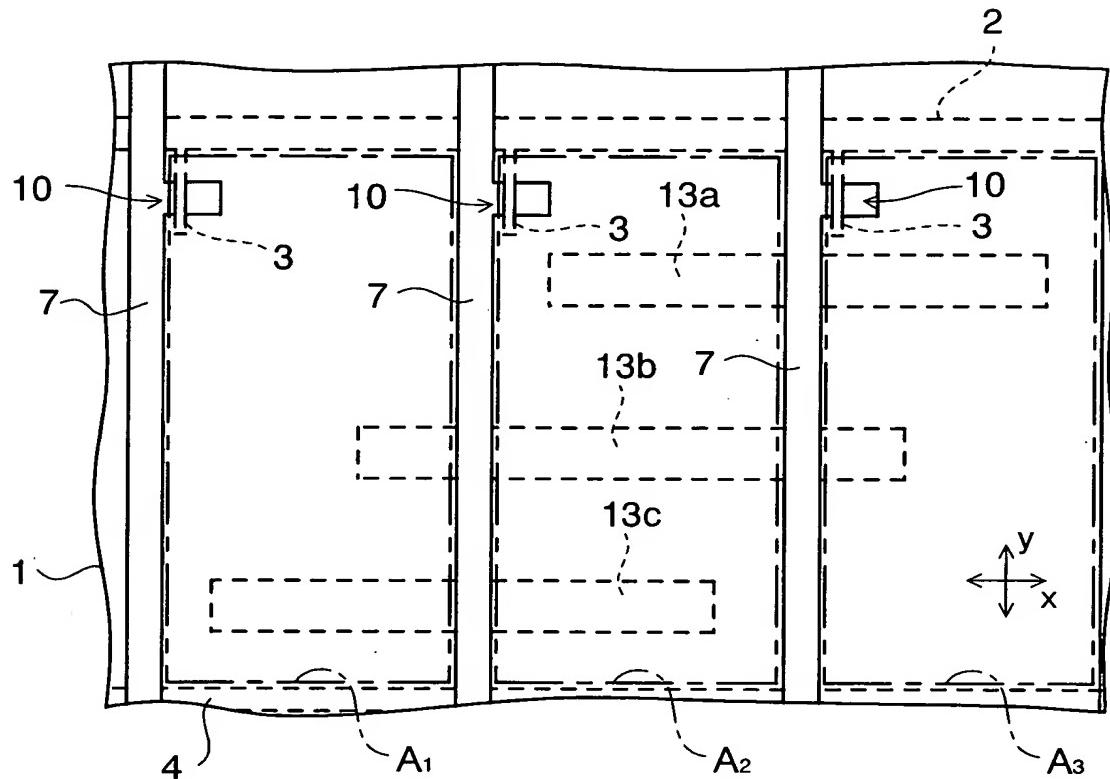


FIG. 3

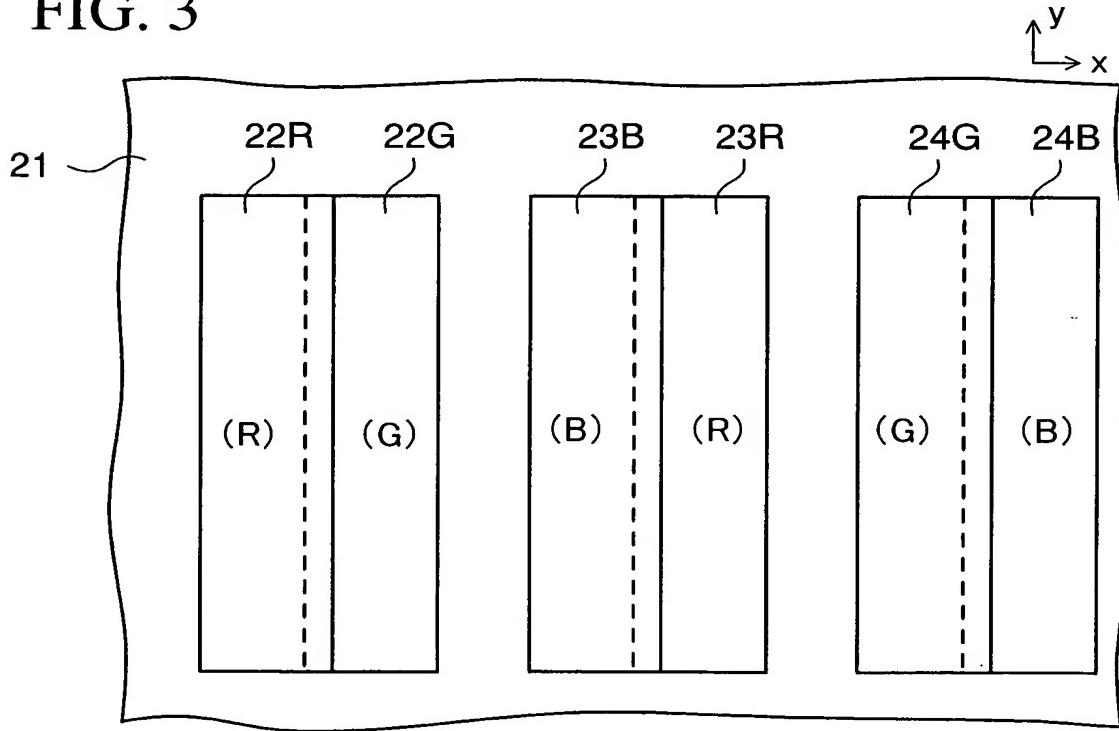


FIG. 4

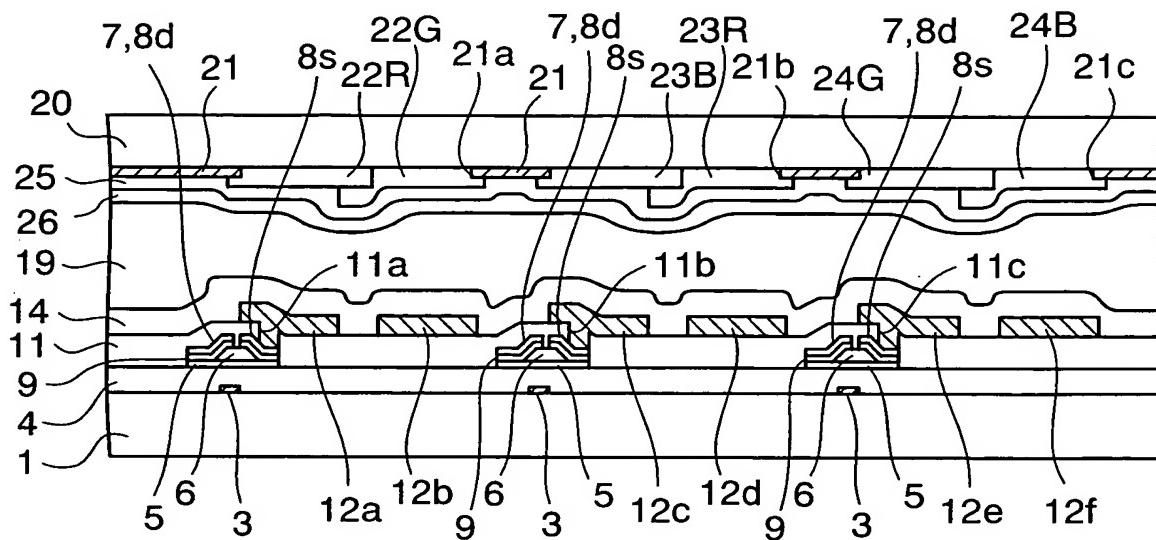


FIG. 5

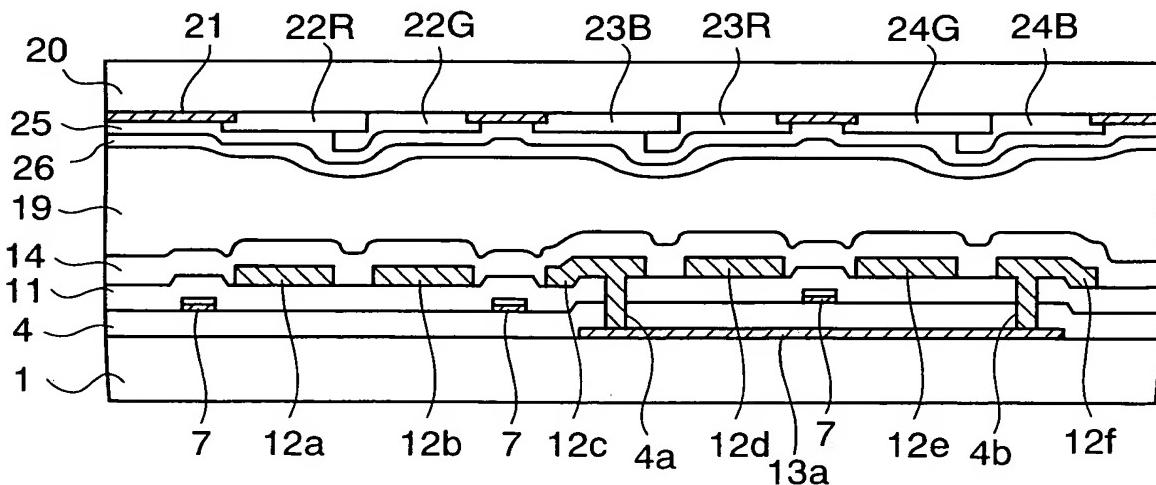


FIG. 6

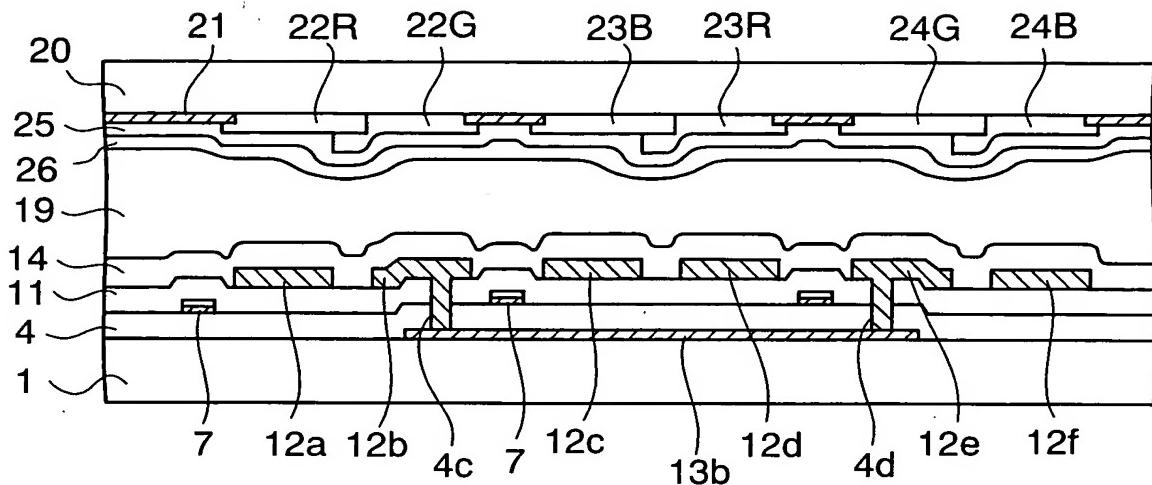


FIG. 7

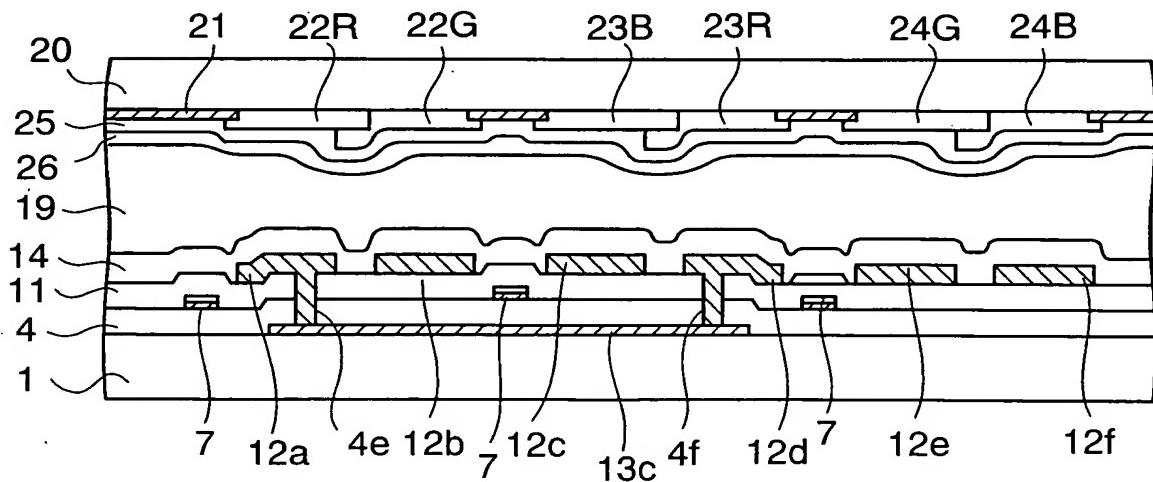


FIG. 8

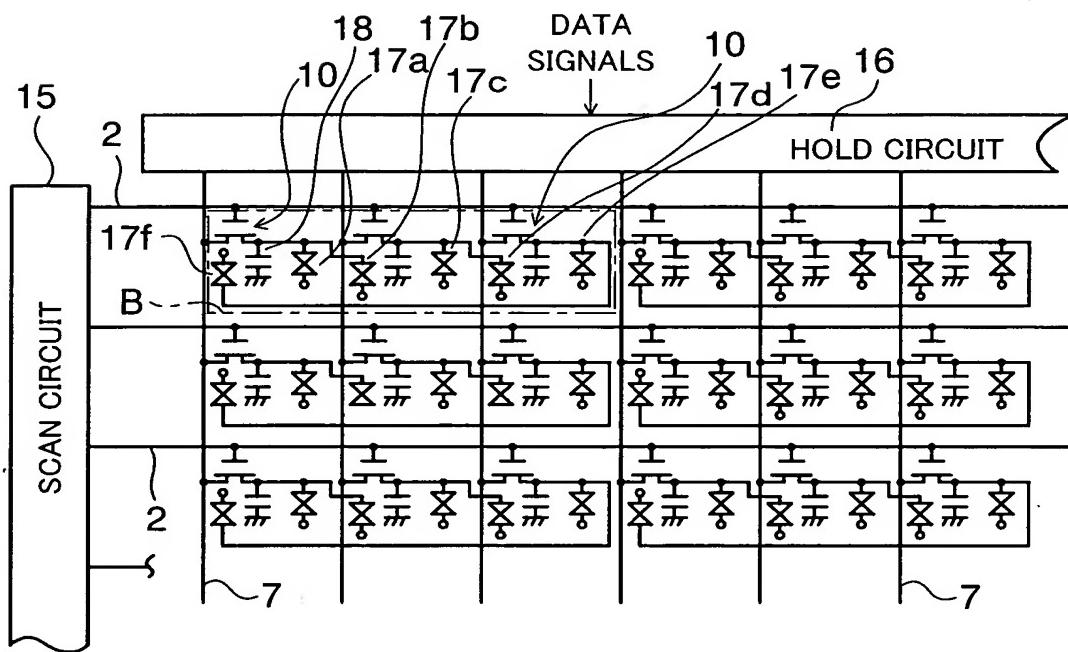


FIG. 9

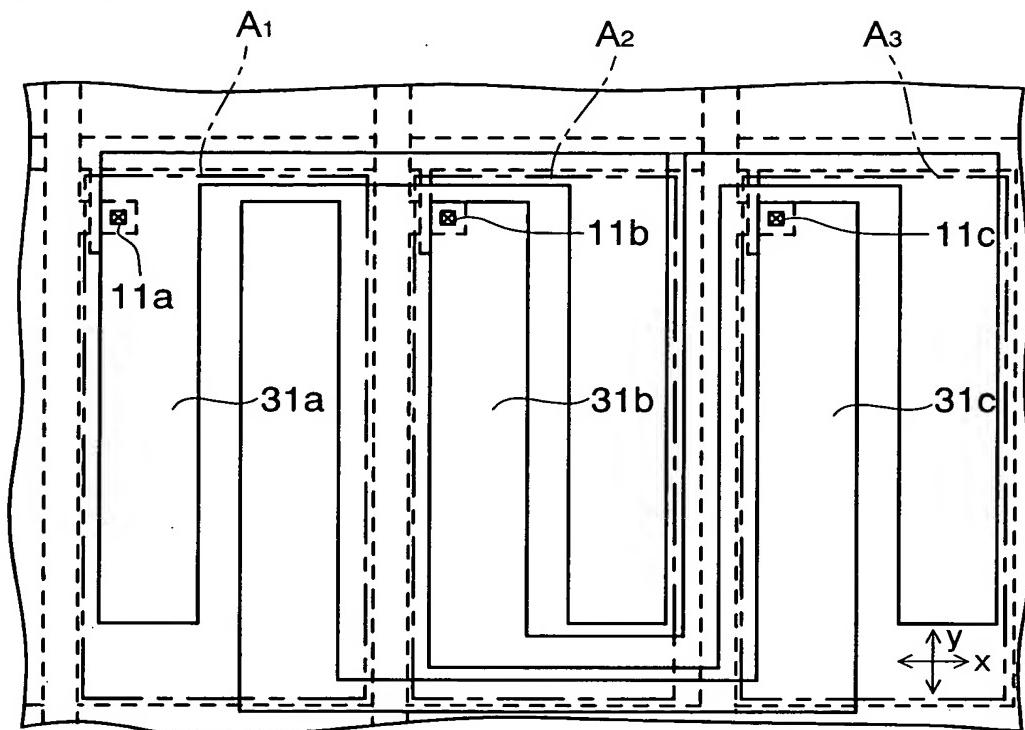


FIG. 10

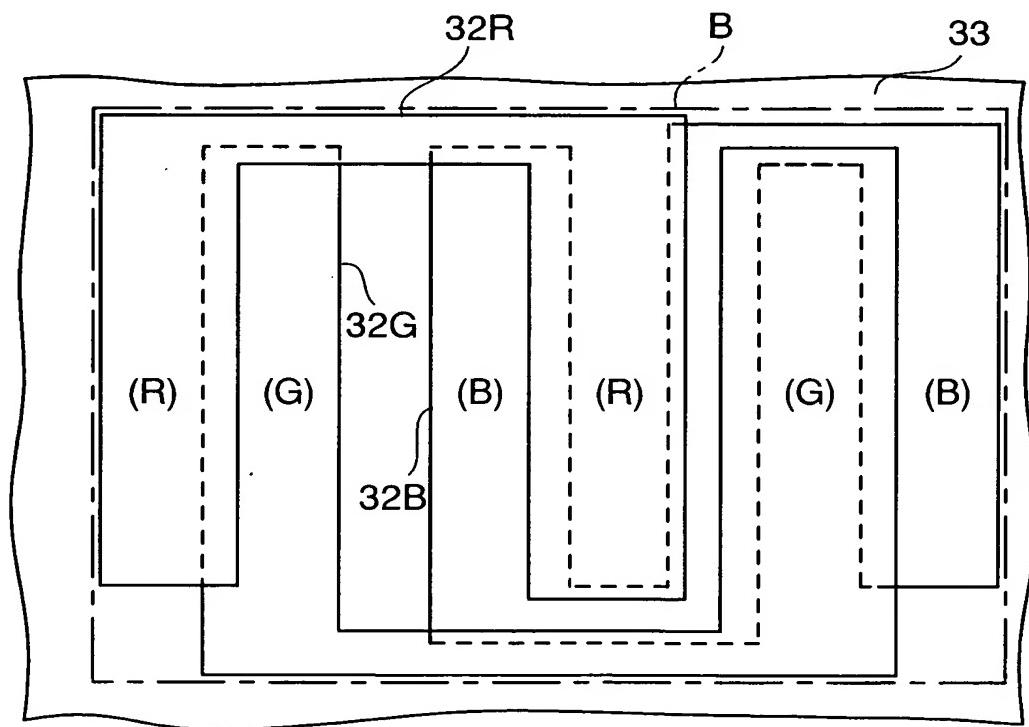


FIG. 11

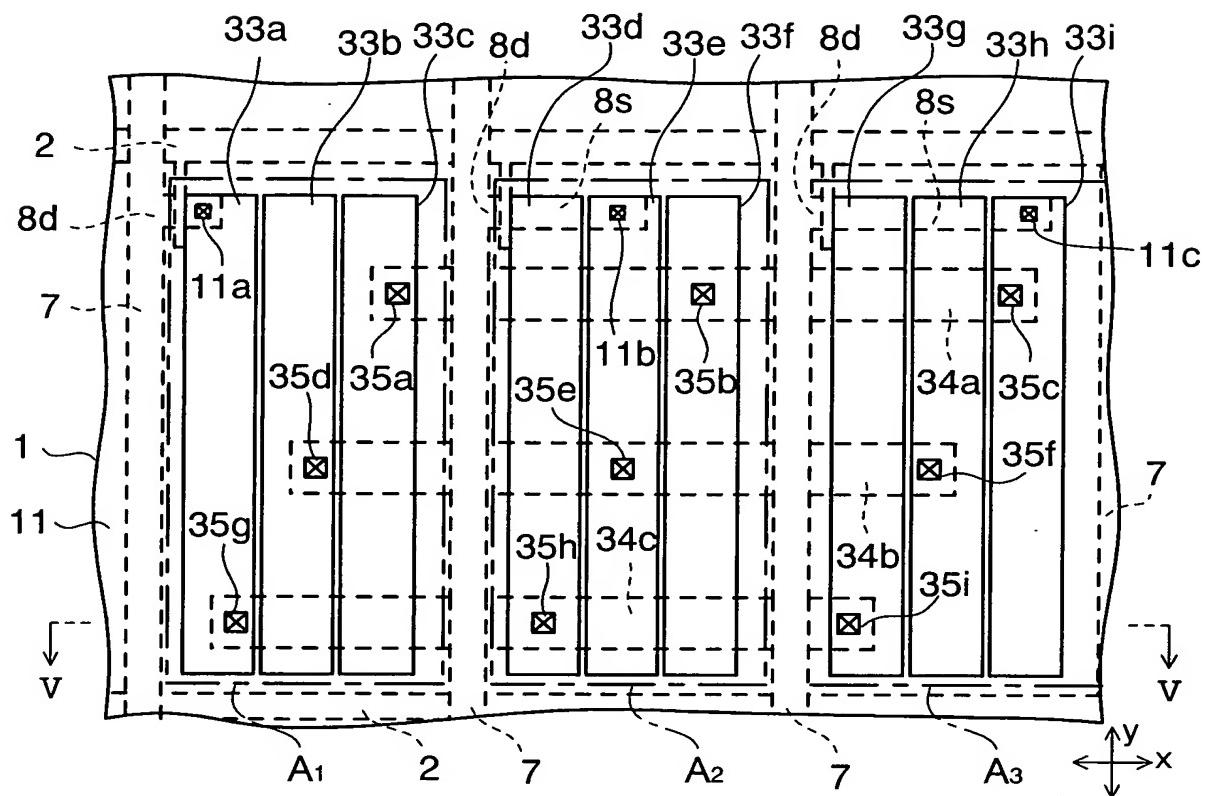


FIG. 12

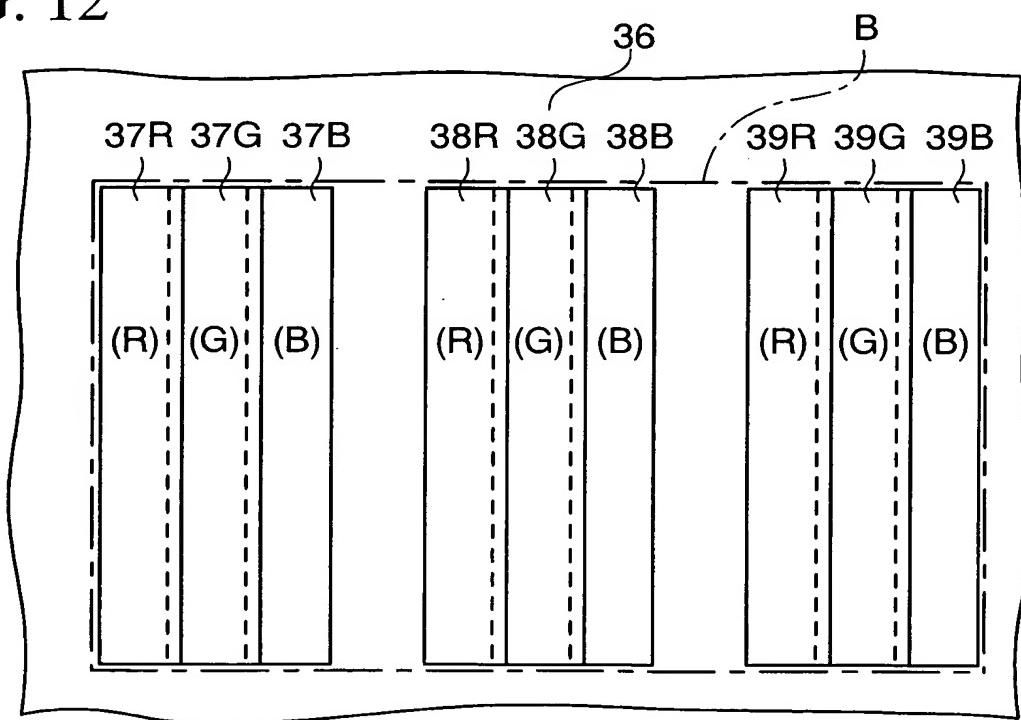


FIG. 13

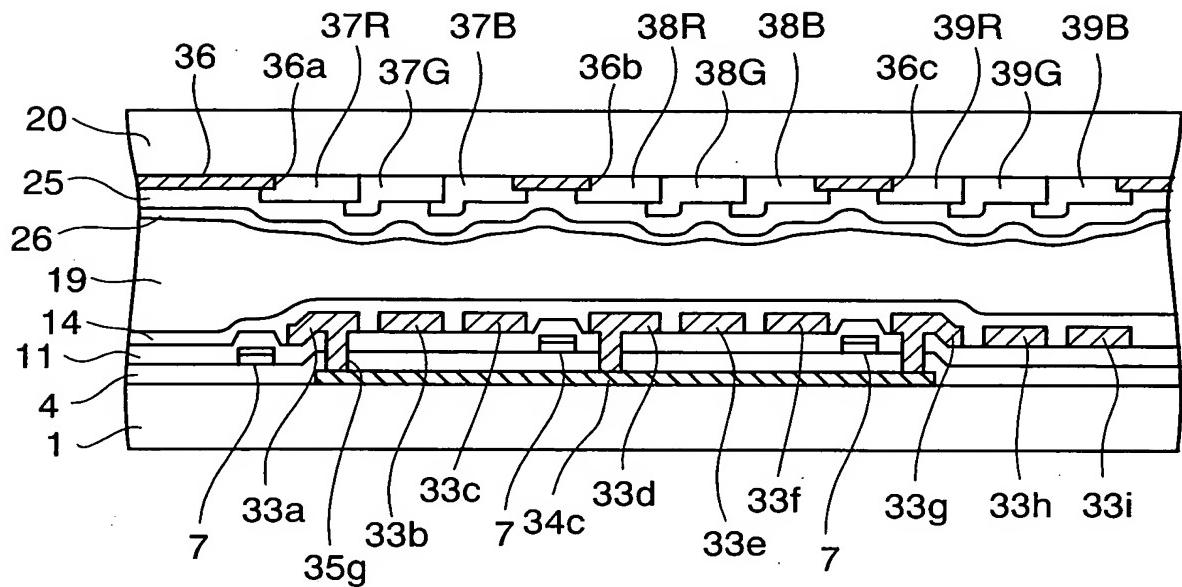


FIG. 14

The diagram illustrates the internal circuitry of a Liquid Crystal Display (LCD) device. It features two main functional blocks: the SCAN CIRCUIT and the HOLD CIRCUIT.

**SCAN CIRCUIT:** This block is represented by a rectangular box at the bottom. It has two output lines labeled "15" and "18". The line labeled "15" connects to the "15" terminal of the HOLD CIRCUIT. The line labeled "18" connects to the "18" terminal of the HOLD CIRCUIT and also to the "40b" terminal of the HOLD CIRCUIT.

**HOLD CIRCUIT:** This block is represented by a large rectangle containing several smaller sub-circuits. It has four main input terminals: "15", "16", "10", and "18".

- The "15" terminal is connected to the "15" terminal of the SCAN CIRCUIT.
- The "16" terminal is connected to the "16" terminal of the SCAN CIRCUIT.
- The "10" terminal is connected to the "10" terminal of the SCAN CIRCUIT.
- The "18" terminal is connected to the "18" terminal of the SCAN CIRCUIT and also to the "40b" terminal of the HOLD CIRCUIT.

Each of the four main sections of the HOLD CIRCUIT contains a series of logic gates (represented by small rectangles with diagonal lines) and diodes (represented by triangles). The outputs of these sections are labeled on the right side of the diagram:

- Section 1: 40a, 40c
- Section 2: 40d
- Section 3: 40e, 40f
- Section 4: 40g, B, 40h, 40i

Arrows indicate signal flow from the SCAN CIRCUIT through the HOLD CIRCUIT to the final output terminals.

FIG. 15

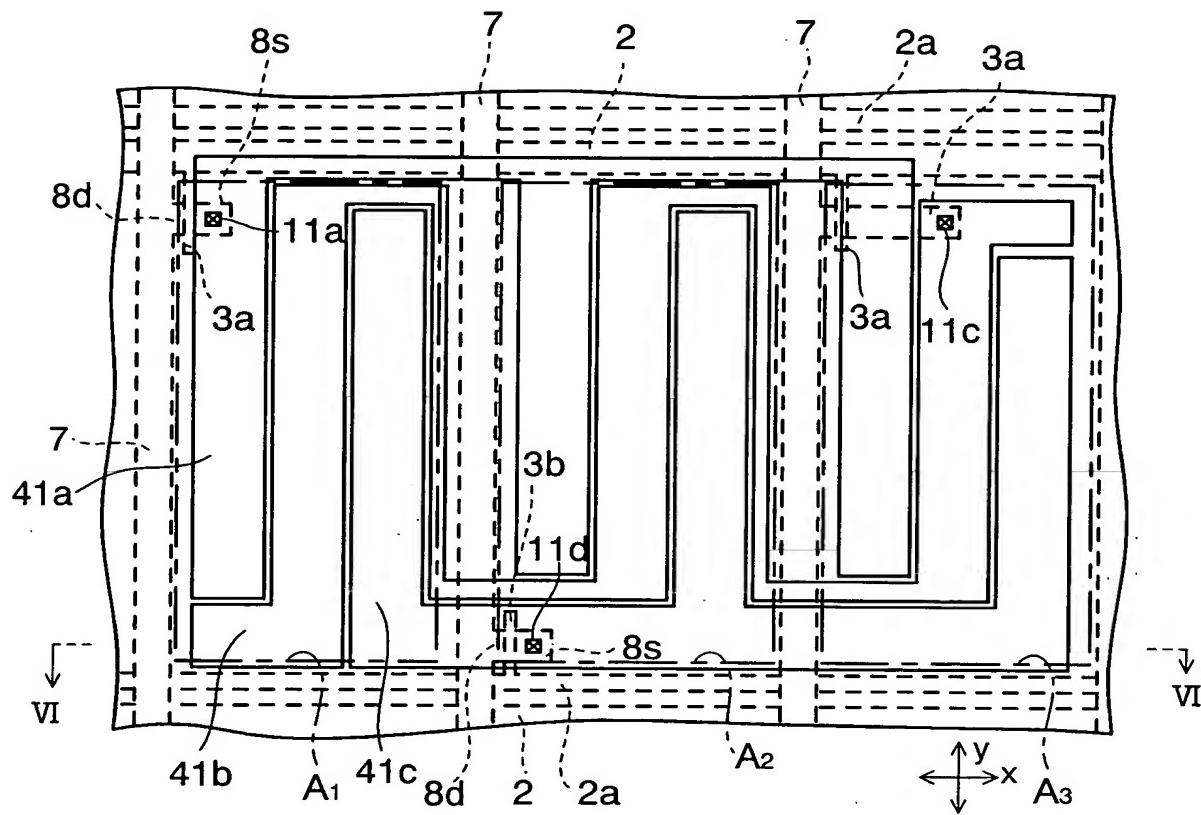


FIG. 16

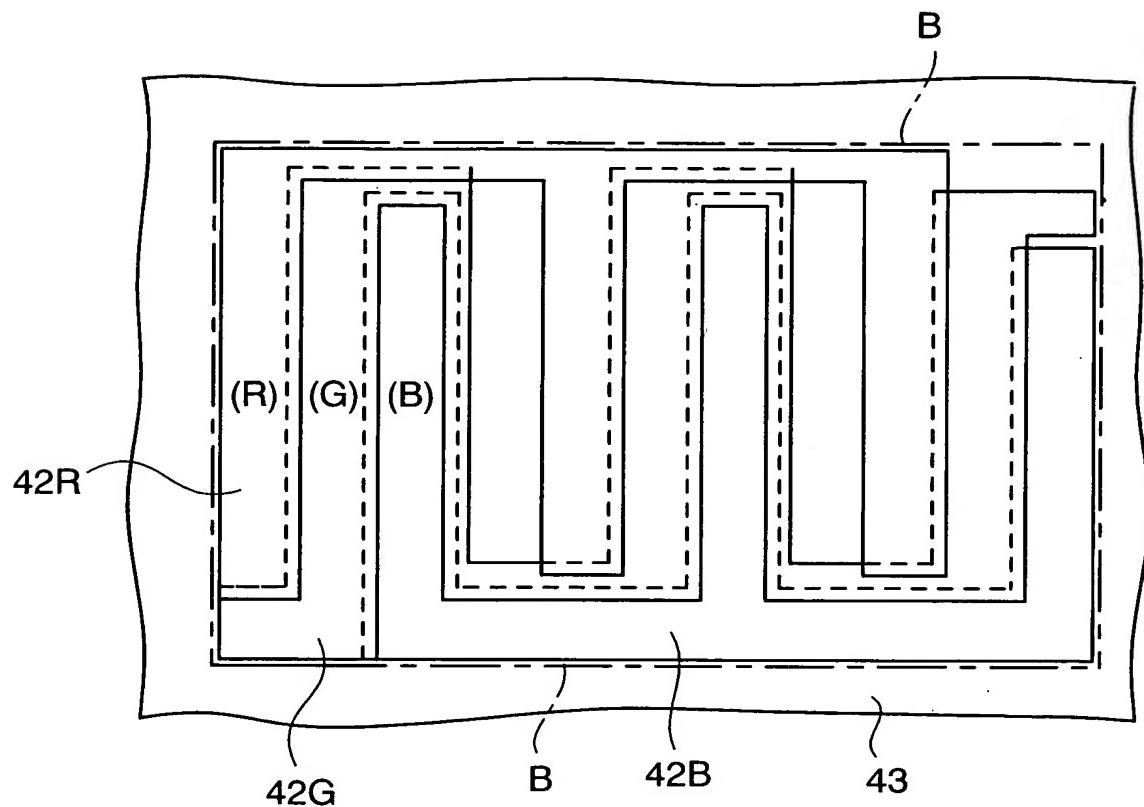


FIG. 17

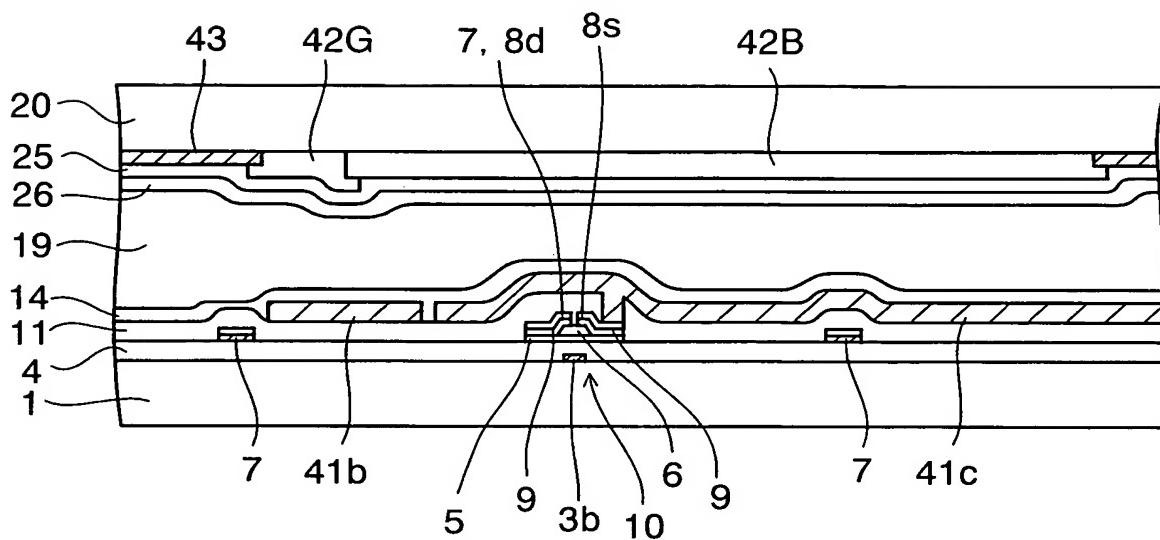


FIG. 18

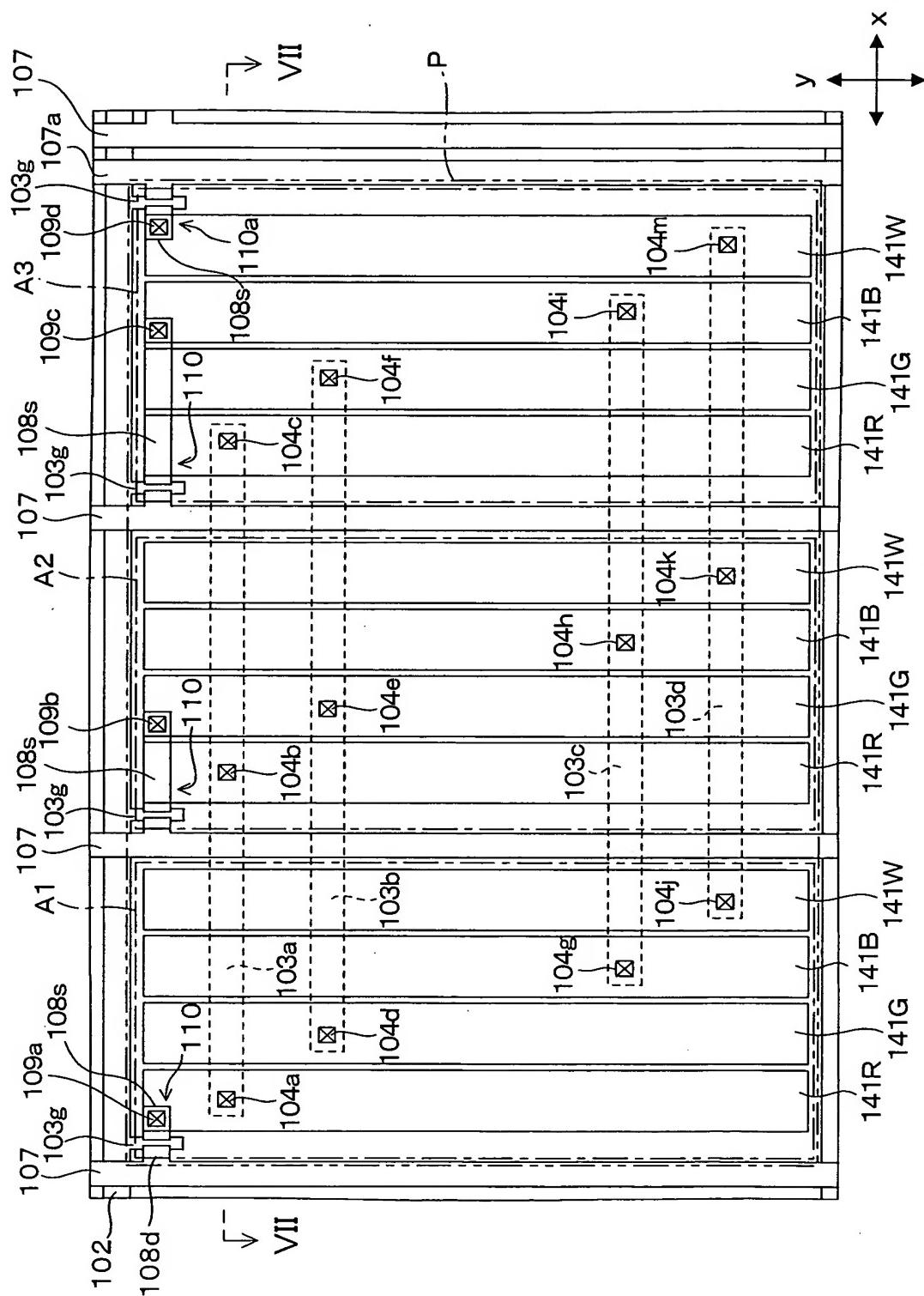


FIG. 19

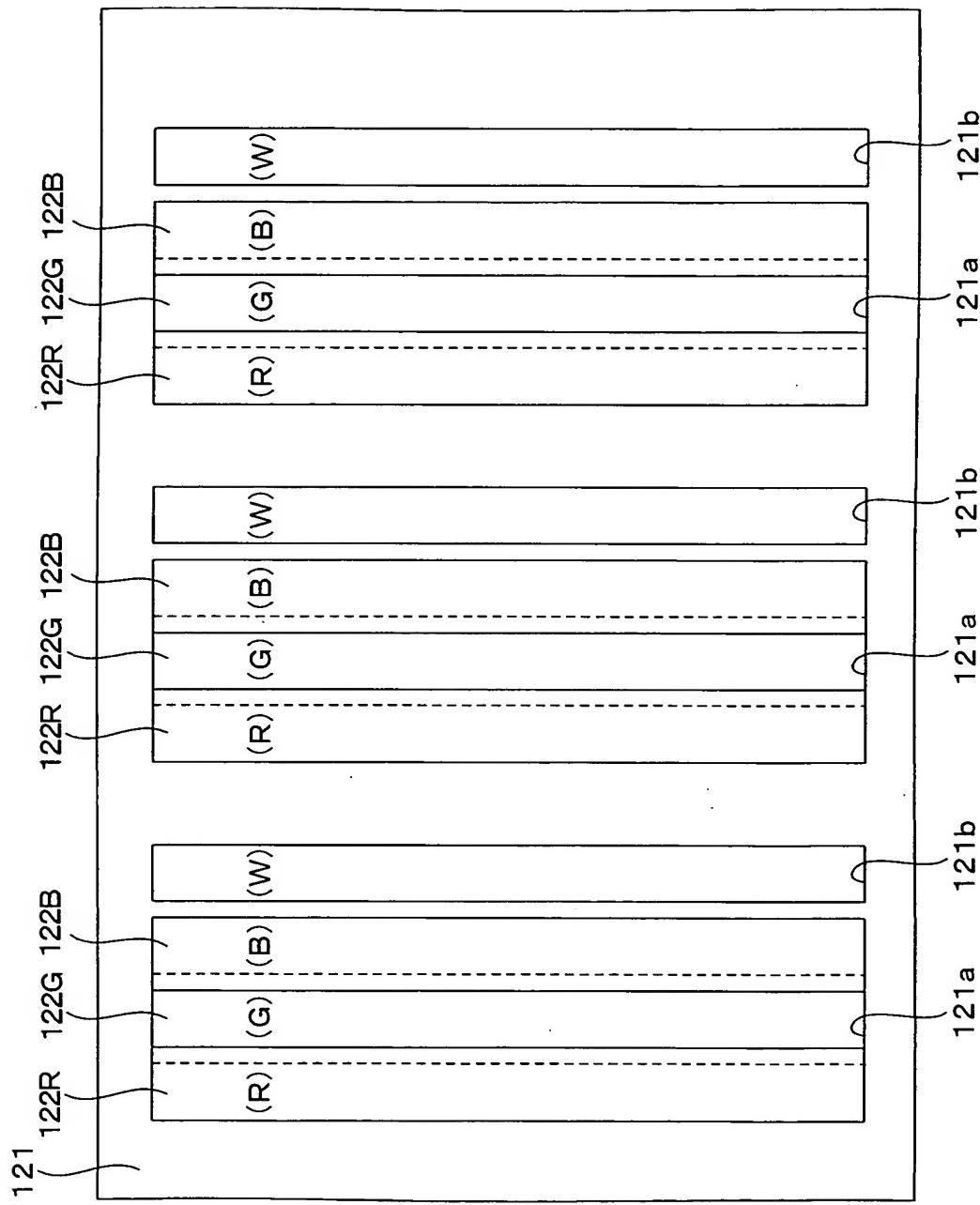


FIG. 20

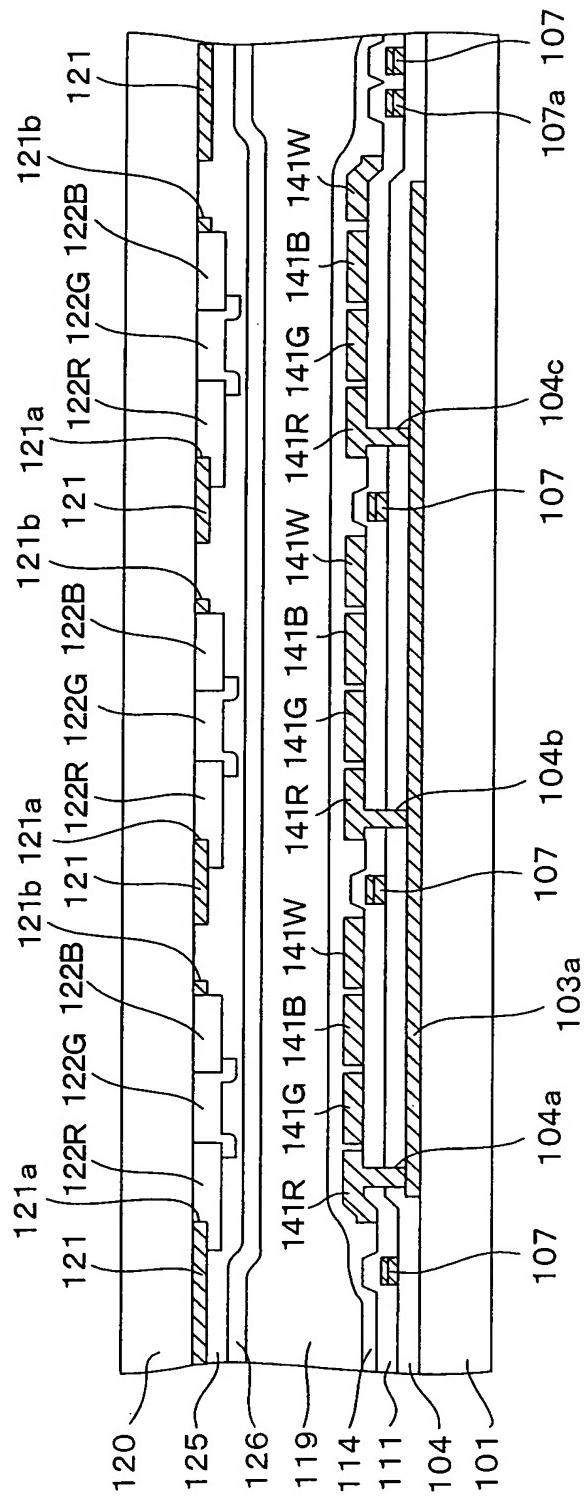


FIG. 21

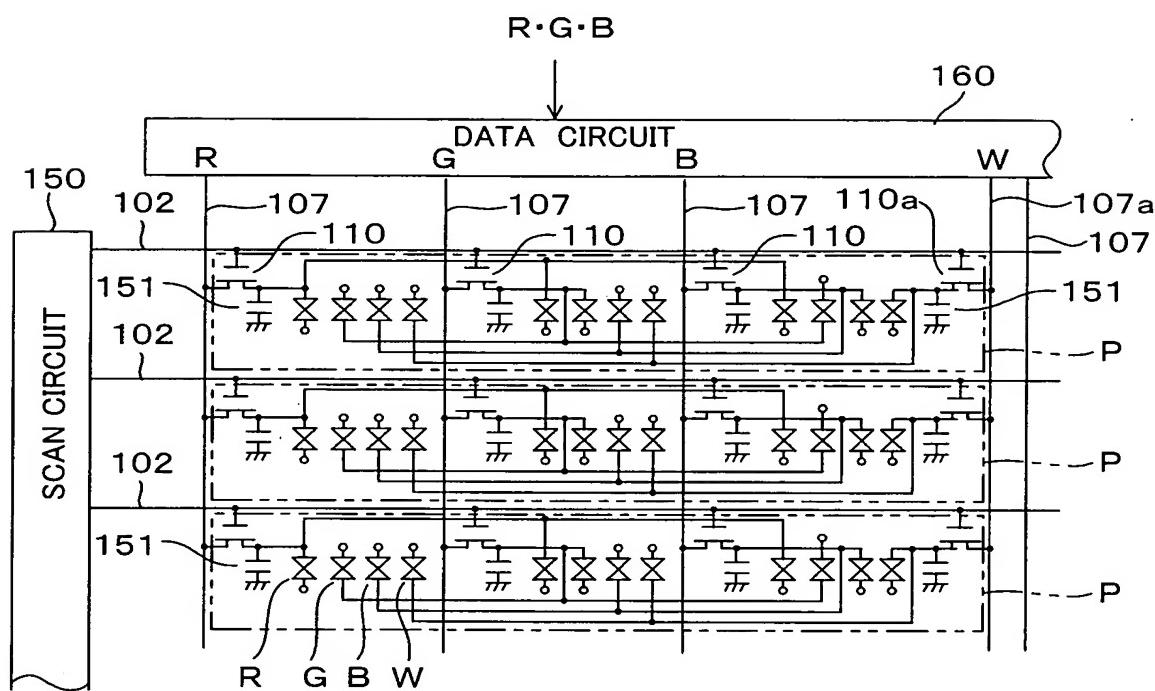


FIG. 22

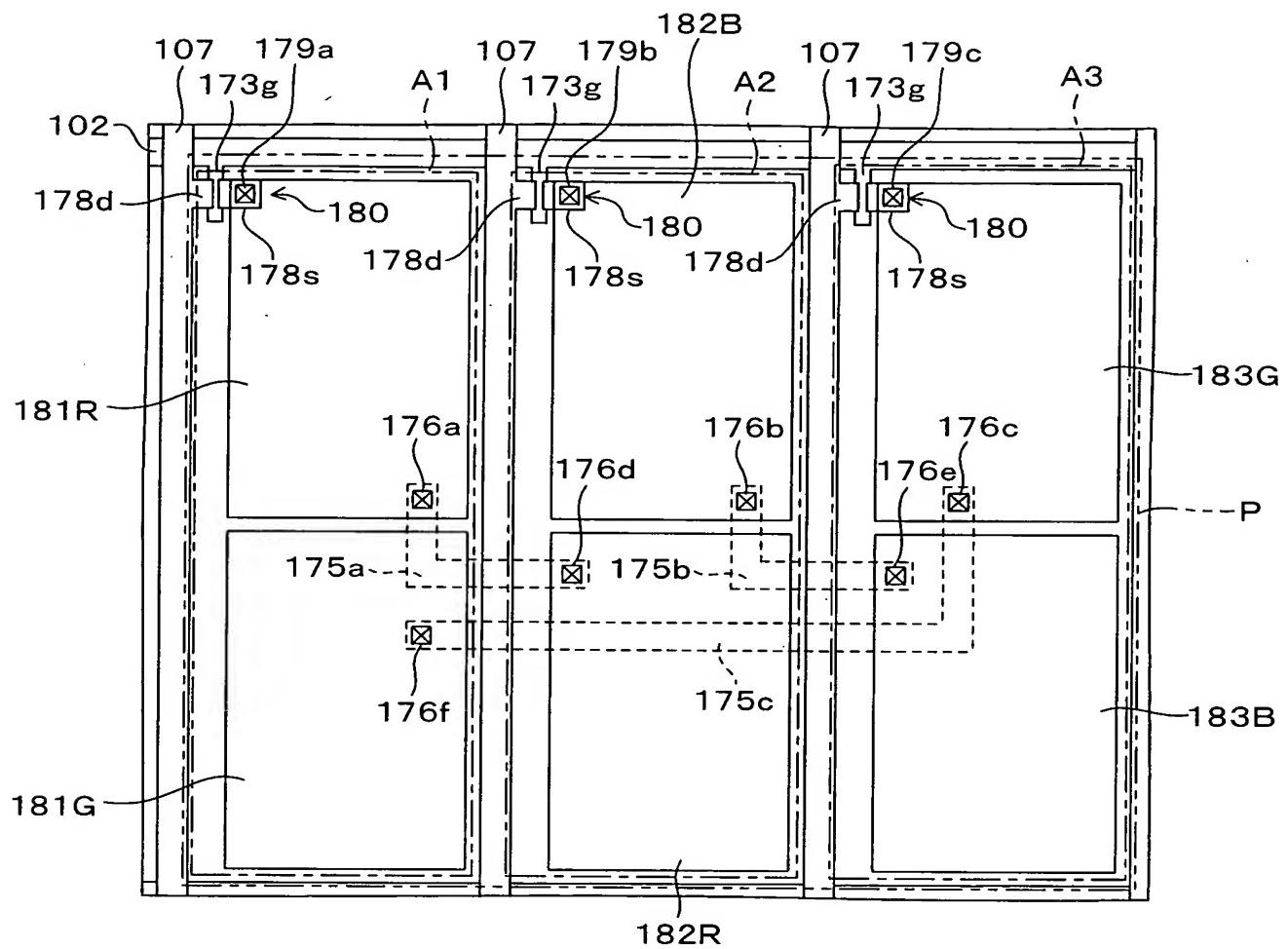


FIG. 23

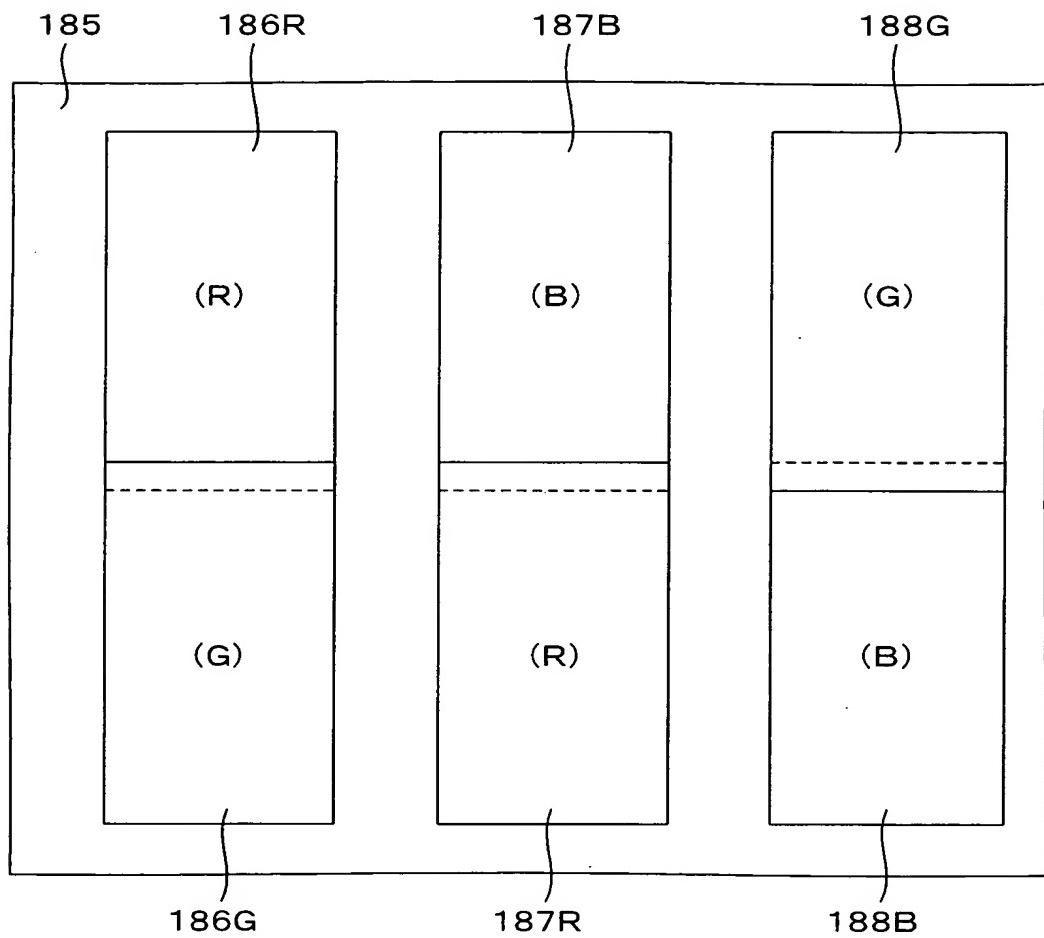


FIG. 24

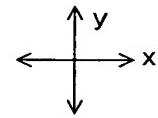
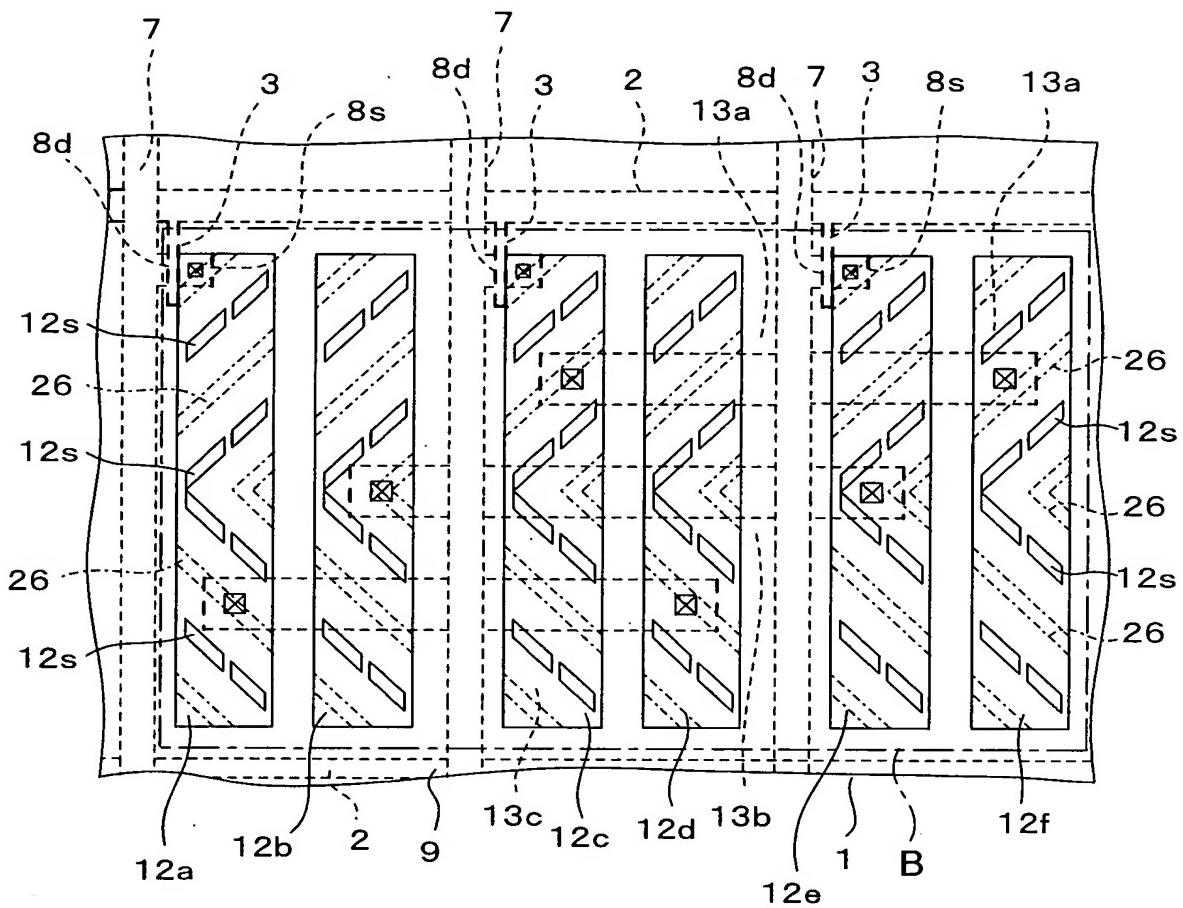


FIG. 25

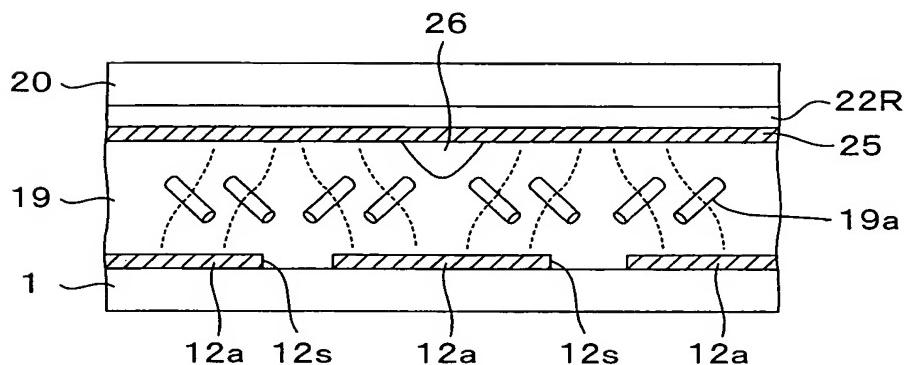


FIG. 26

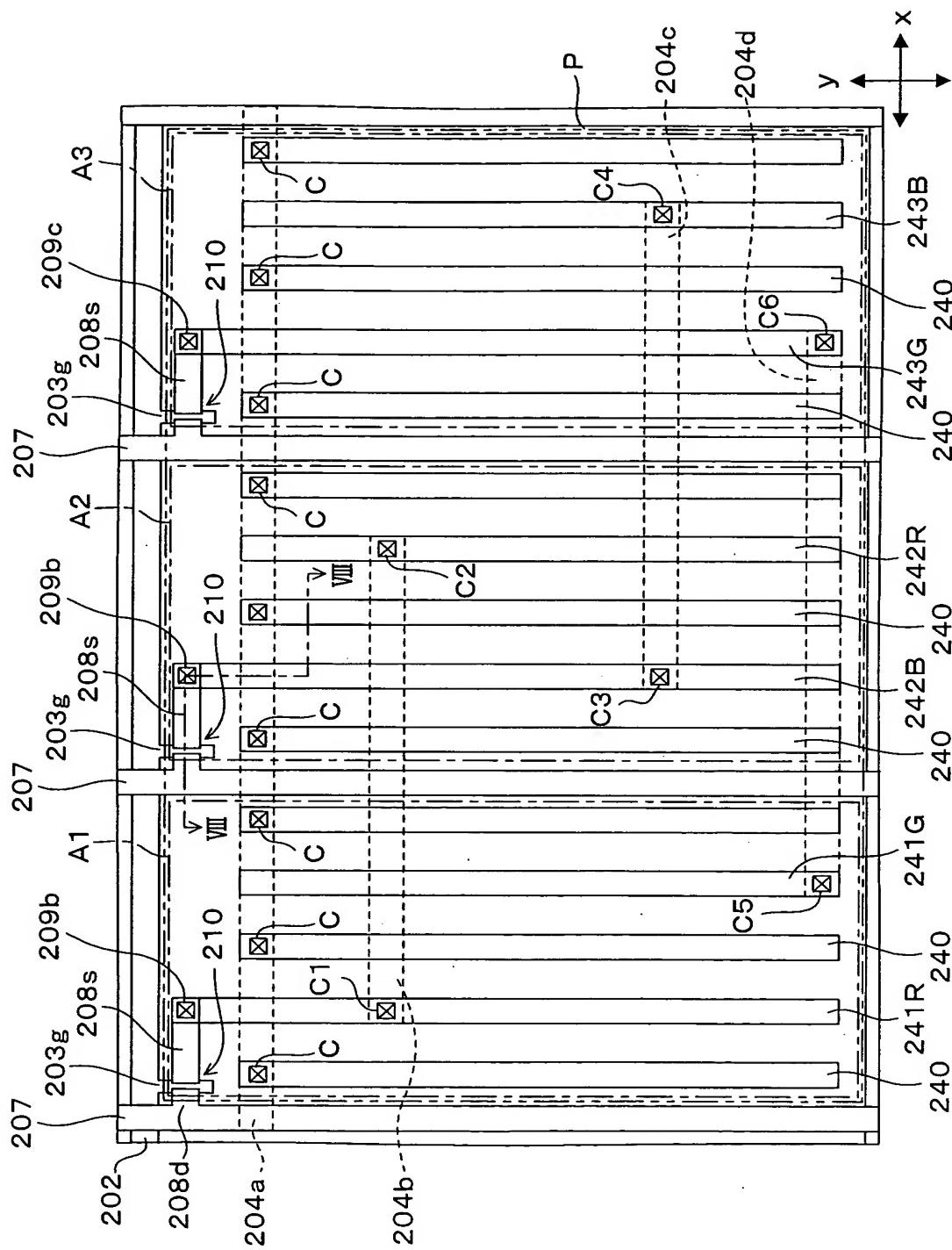


FIG. 27

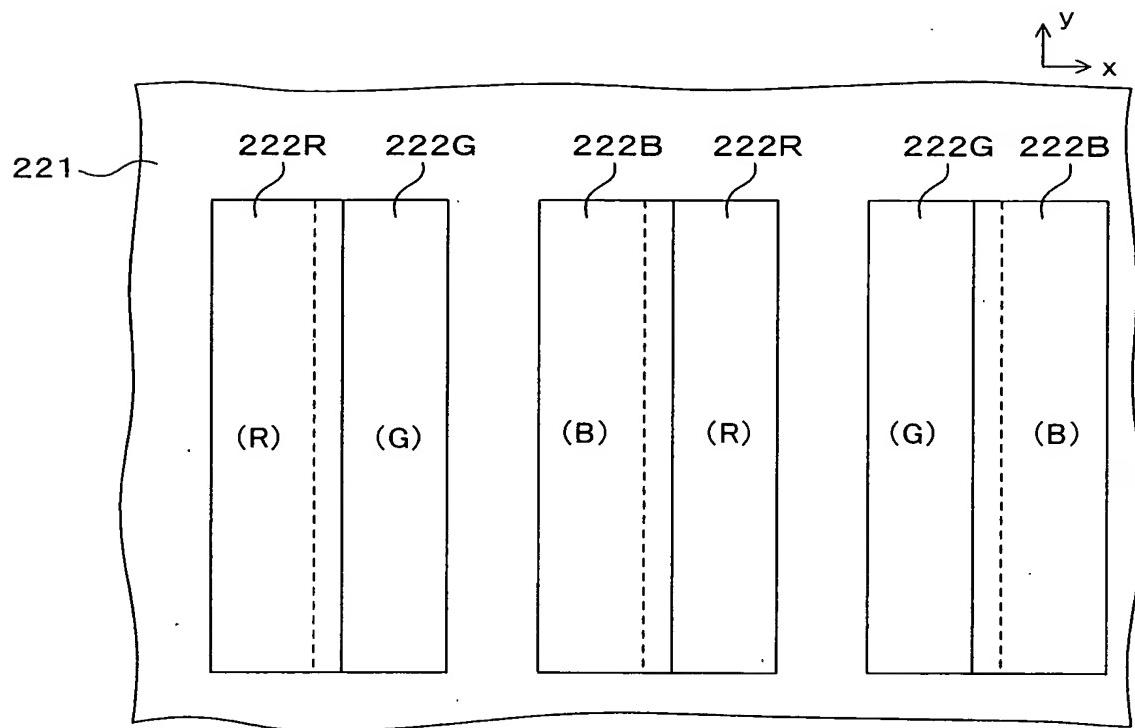


FIG. 28

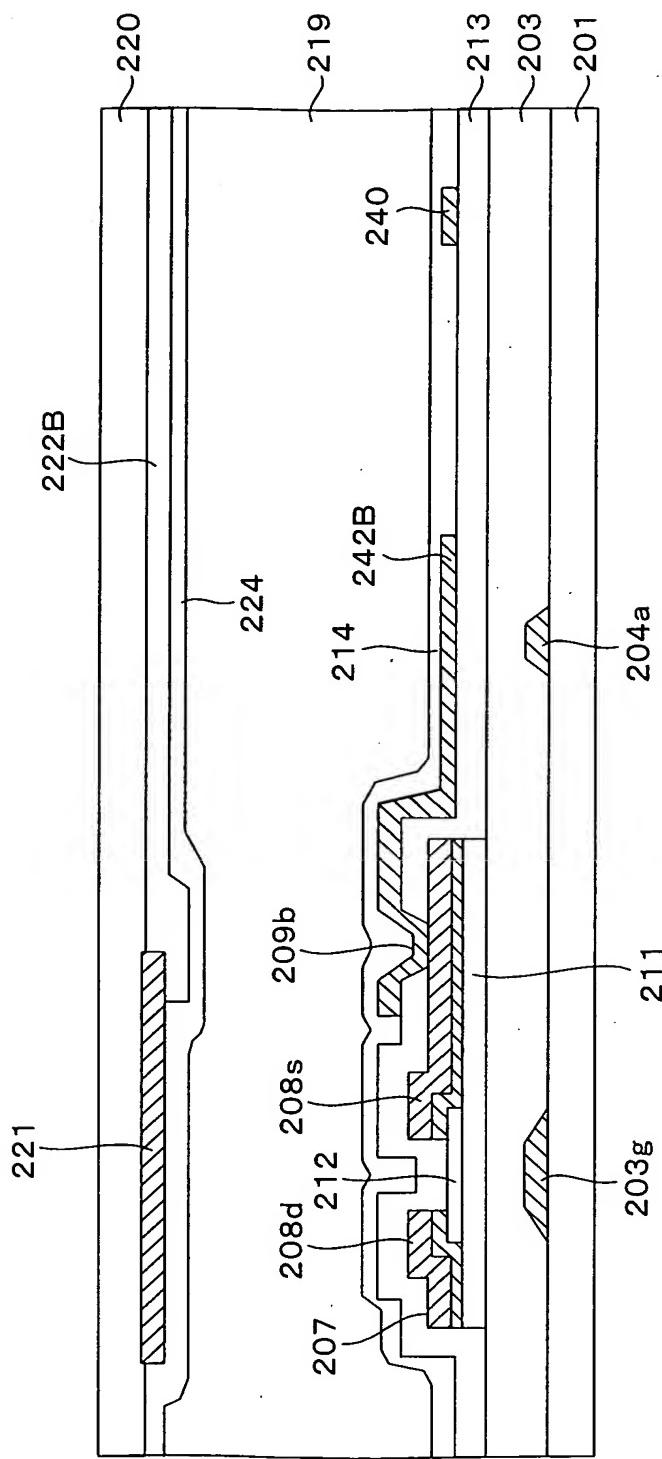


FIG. 29A

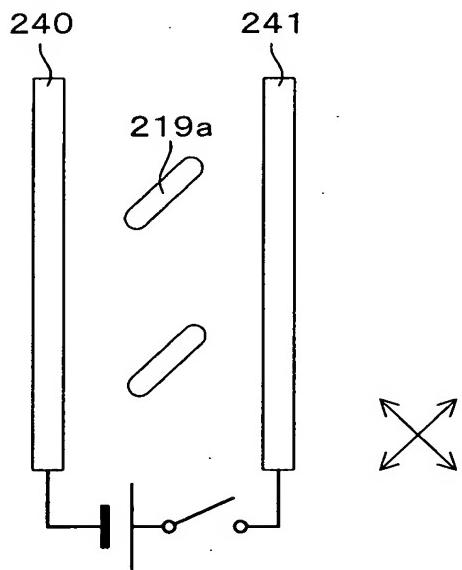


FIG. 29B

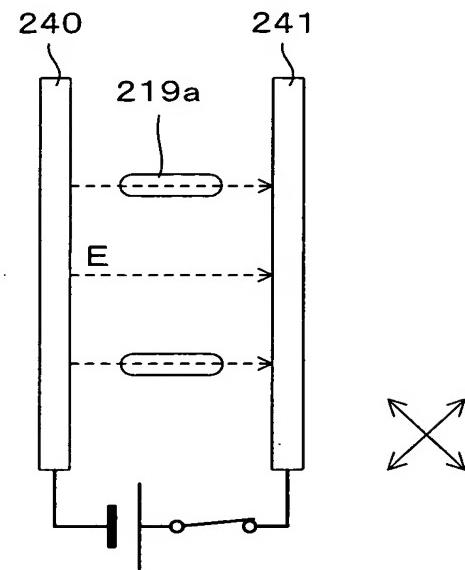


FIG. 30

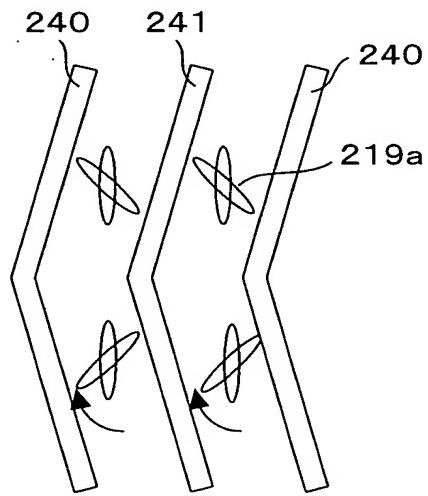


FIG. 31A

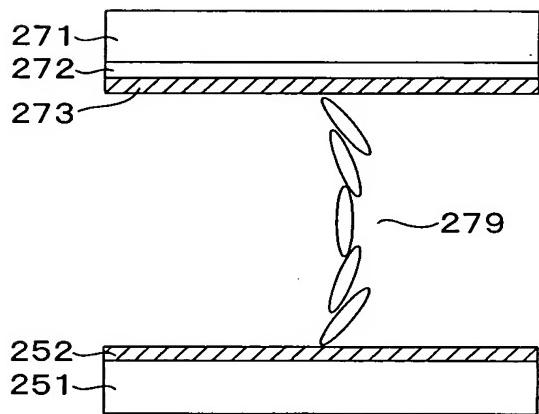


FIG. 31B

